Philips 9000 series
LCD TV with Ambilight Spectra 2 and Perfect Pixel HD Engine

47"

Full HD 1080p digital TV

47PFL9664H

Brings movies to life

With Ambilight and breathtakingly sharp pictures

Be captivated by the immersive power of Ambilight in an ultra thin and slim design. Featuring the stunning Perfect Pixel HD engine and powerful sound, movies really come to life in your living room.

Immersive viewing experience

- Ambilight Spectra 2 enhances the viewing experience

Breathtaking perfect pictures

- Perfect Pixel HD Engine for unrivalled sharpness and clarity
- Full HD LCD display, with a 1920 x 1080p resolution
- 200 Hz Clear LCD*, 1 ms performance: extreme motion sharpness
- Perfect Natural Motion for ultra-smooth Full HD movies

Connect and enjoy the online world

- Net TV with Wi-Fi for popular online services on your TV
- Enjoy a rich selection of web videos from YouTube and others

Stylish and elegant design

- Ultra slim and thin TV for perfect fit in your living room

Ready for digital

- MPEG4 HDTV reception via DVB-T and DVB-C tuner with CI+*

PHILIPS

sense and simplicity

LCD TV with Ambilight Spectra 2 and Perfect Pixel HD Engine
47" Full HD 1080p digital TV

47PFL9664H/12

Highlights

Ambilight Spectra 2

Add a new dimension to your viewing experience with Ambilight Spectra 2. This patented Philips technology enlarges the screen further by projecting a glow of light from the back of the screen onto the surrounding wall. Ambilight automatically adjusts the colour and brightness of the light surrounding the TV to match the picture, creating an immersive viewing experience. With Ambilight Spectra 2 movies truly come to life!

Perfect Pixel HD Engine

Experience unrivalled sharpness and clarity with Perfect Pixel HD Engine. Each pixel of the picture is enhanced to match the surrounding pixels better, resulting in a more natural picture. The result is a unique combination of sharpness, natural detail, vivid colours, superior contrast and smooth natural motion whatever you are watching. Clean and razor sharp images result from artefact and noise detection and reduction in all content sources — from multimedia to standard TV.

Net TV with Wi-Fi

Experience a rich selection of online services with Net TV. Enjoy movies, pictures, infotainment and other online content directly on your TV whenever you like. Simply connect your TV directly to your home network through either the integrated Wi-Fi wireless or Ethernet connection, and navigate to and select what you want to watch with the TV remote control. The Philips menu gives you access to popular Net TV services fitted for your TV screen. Additionally, with the DLNA certified PC network you can watch videos or access pictures stored on your computer using your TV remote control.

Full HD LCD display 1920 x 1080p

The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future-proof as it supports 1080p signals from all sources, including the most recent sources such as Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colours.

Perfect Natural Motion

Enjoy the action without any judder. Perfect Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and pre-recorded movie material (including 1080p movies and 24p True Cinema on Blu-ray and DVD). The result is even smoother and quieter pictures with excellent sharpness, regardless of how quick the action gets on-screen. Enjoy motion performance that surpasses cinema quality!

200 Hz Clear LCD* (1 ms)

Enjoy extreme motion sharpness without picture imperfections. The Philips 200 Hz Clear LCD brings the response time of LCD TV to an incredible 1 ms, so even with the fastest action scene you will be enthralled by the action, and not following the stretched car across the screen. Go ahead, enjoy the action!

Ultra slim and thin TV

This ultra slim and thin TV fits your living room perfectly. With a bezel of 25 mm and a depth of only 49 mm, this TV combines the minimalism of design with the true cinematic viewing experience of Ambilight: Ambilight adds to the viewing experience, not to the size of your TV.

MPEG4 DVB-T/C tuner with CI+*

HDTV allows you to watch TV in the best possible picture and sound quality, without an additional set-top box. Thanks to the built-in tuner that supports DVB-Terrestrial and DVB-Cable signals for both MPEG-2 and MPEG-4 formats, you receive high definition TV programmes in exceptional quality. Moreover, with Common Interface Plus (CI+) you benefit from premium high definition content directly on your TV.

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Specifications

Picture/Display
- Aspect ratio: Widescreen
- Brightness: 500 cd/m²
- Dynamic screen contrast: 80,000:1
- Response time (typical): 1 (BEW equiv.) ms
- Viewing angle: 176° (H)/176° (V)
- Diagonal screen size: 47 inch / 119 cm
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Panel resolution: 1920 x 1080p
- Picture enhancement: Perfect Pixel HD Engine, Perfect Natural Motion, Perfect Contrast, Perfect Colours, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, Jagged Line Suppression, Progressive Scan, 1080p 24/25/30 Hz processing, 1080p 50/60 Hz processing, 200 Hz Clear LCD*, Scanning backlight
- Screen enhancement: Anti-Reflection coated screen
- Colour processing: 2250 trillion colours 17bit RGB

Ambilight
- Ambilight Features: Ambilight Spectra 2, Lounge light mode
- Dimming Function: Manual and via Light Sensor
- Ambilight light system: LED-wide colour

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60 Hz
800 x 600	60 Hz
1024 x 768	60 Hz
1280 x 768	60 Hz
1360 x 768	60 Hz
1920 x 1080	60 Hz

- Video formats

Resolution	Refresh rate
480i	60 Hz
480p	60 Hz
576i	50 Hz
576p	50 Hz
720p	50, 60 Hz
1080i	50, 60 Hz
1080p	24, 50, 60 Hz
1080p	24, 25, 30 Hz

Sound
- Output power (RMS): 2 x 15 W
- Sound Enhancement: Auto Volume Leveller, Digital Signal Processing, Dynamic Bass Enhancement, Treble and Bass Control
- Sound System: Virtual Dolby Digital, BBE

Loudspeakers
- Built-in speakers: 4
- Loudspeaker types: 2 integrated subwoofers, 2 x Dome tweeter

Convenience
- Child Protection: Child Lock+Parental Control
- Connection Enhancement: Easy link
- Ease of Installation: Auto Programme Naming, Automatic Channel Install (ACI), Automatic Tuning System (ATS), Autostore, Fine Tuning, PLL Digital Tuning, Plug and Play
- Ease of Use: Auto Volume Leveller (AVL), Delta Volume per preset, Graphical User Interface, On-Screen Display, Programme List, Settings assistant Wizard, Side Control, Connectivity assistant, Automatic setup wizard, Demo mode, On-screen User manual, Touch control buttons, Favourite programme selection, Iconic home screen, Mozaïc channel grid
- Electronic Programme Guide: Now + Next EPG, 8-day Electronic Programme Guide*
- Picture in Picture: Text dual screen
- Remote Control: DVD, DVD-R, Sat, STB (Set-Top Box), Universal, HTS (Home Theatre System)
- Remote control type: RC4495
- Screen Format Adjustments: 4:3, Auto Format, Movie expand 14:9, Movie expand 16:9, Subtitle and Heading Shift, Super Zoom, Widescreen, unscaled (1080p dot by dot)
- Teletext: 1200-page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB
- Multimedia: Digital media reader (browser), USB autobreak-in, DLNA media Browser, Net TV services
- Smart mode: Game, Cinema, Personal, Power saver, Standard, Vivid

Multimedia Applications
- Multimedia connections: Ethernet-UTP5, USB, Wi-Fi 802.11g (built in)
- Playback Formats: MP3, WMA v2 up to v9.2, Slideshow files (.alb), JPEG Still pictures, MPEG1, MPEG2, MPEG4, AVI, H.264/MPEG-4 AVC, MPEG-Programme-stream PAL, WMV9/VC1

Tuner/Reception/Transmission
- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: DVB COFDM 2K/8K
- Video Playback: NTSC, SECAM, PAL
- DVB: DVB Terrestrial*, DVB-T MPEG4*, DVB-C MPEG4*, MHEG
- Tuner bands: Hyperband, S-Channel, UHF, VHF

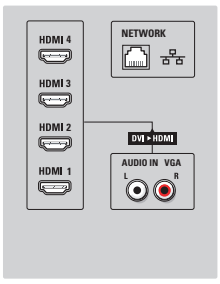
Connectivity
- Ext 1 Scart: Audio L/R, CVBS in, RGB
- Ext 2 Scart: Audio L/R, CVBS in, RGB
- Ext 3: YPbPr, Audio L/R in, VGA PC-in
- Front/Side connections: HDMI v1.3, S-video in, CVBS in, Audio L/R in, Headphone out, USB
- PC network link: DLNA 1.0 certified
- Other connections: Analogue audio Left/Right out, S/PDIF out (coaxial), Common Interface
- HDMI 1: HDMI v1.3
- HDMI 2: HDMI v1.3
- HDMI 3: HDMI v1.3
- HDMI 4: HDMI v1.3
- EasyLink (HDMI-CEC): One touch play, EasyLink, Pixel link, Remote control pass-through, System audio control, System standby

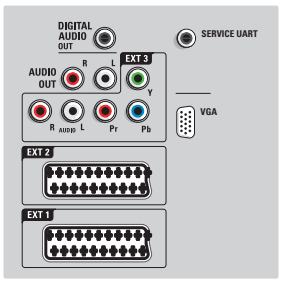
Power
- Ambient temperature: 5°C to 35°C
- Power consumption (typical): 263 W
- Standby power consumption: < 0.15 W

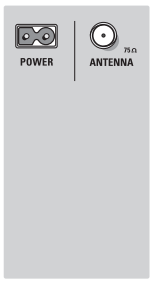
Dimensions
- Set dimensions (W x H x D): 1111 x 694 x 50 mm
- Set dimensions with stand (H x D): 757 x 280 mm
- Weight incl. Packaging: 49.4 kg
- Product weight: 20 kg
- Product weight (+stand): 30 kg
- Box dimensions (W x H x D): 1369 x 803 x 291 mm
- Colour cabinet: Brushed aluminium decofront
- VESA wall mount compatible: 300 x 300 mm

Accessories
- Included Accessories: Tabletop swivel stand, RF antenna cable, Power cord, Quick start guide, Warranty certificate, Remote Control, Batteries for remote control, Legal and safety brochure, Net TV brochure

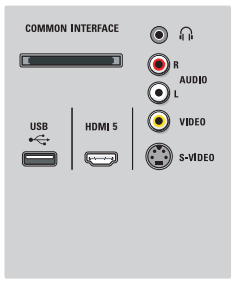
Rear connectors







Side



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* 200 Hz Clear LCD displays 200 scenes per second by combining advanced 100 Hz technology with scanning backlight @ 50% duty cycle.
* DVB-T, supported in selected countries only
* DVB-C in selected countries and for selected operators only. Most up to date information is available on the type plate of the TV.
* Net TV, service offering is dependent on country and subject to terms of use.